

ABSTRACT OF THE DISCLOSURE

A medium voltage controller for electrical equipment, such as motors, transformers, reactors, and capacitors, having an arc resistant cabinet, swaged internal electrical connections, a one-piece self-aligning withdrawable finger cluster, a pull-out instrument compartment, a load discharge device, cast fuse holders, disconnect switch, a switch illuminator, low power current transformers, and an optical temperature measuring system. The arc resistant cabinet relies on the pressure generated by an arc fault to provide the sealing action to contain the fault forces. The cabinet's rear panels are inside the cabinet and the panel lips mate to edges of the cabinet opening. The front doors each have a series of latching tabs along one side and a hinge along the opposing side. A dimple-in-a-dimple joint provides shear strength for panel joints. At the top of the cabinet is an exhaust vent.